

Apprenticeship Utilization

2009 Legislative Update

As requested under RCW 39.04.320

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Executive Summary

Registered apprentice utilization contracting provisions gained traction in the 1990s with proven effective programs in the cities of Seattle and Tacoma, the Port of Seattle and King County.

Today, the Department of General Administration (GA) collects data on registered apprentice utilization for public works throughout the state including the Washington State Department of Transportation (WSDOT) projects. K-12 public schools and all four year institutions of higher education will also be collecting and providing data on registered apprentice utilization thanks to recently passed legislation.

The Secretary of WSDOT was directed in legislation (ESSSB 6480, Chapter 321, Laws of 2006) to establish an Apprenticeship Utilization Advisory Committee to include statewide geographic representation and equal numbers of contractor and labor members. This committee stands today as the only formal group of stakeholders assembled at the state level to examine and make recommendations regarding an apprenticeship utilization program.

Contract thresholds for apprentice participation provide:

- Agencies under the authority of the Governor, excluding the WSDOT, must require 15 percent of the total labor hours be performed by state approved apprentices for projects estimated to cost \$1 million or more.
- WSDOT must require 15 percent of the total labor hours be performed by state-approved apprentices for projects estimated to cost \$2 million or more.
- Effective January 1, 2009 all public works by a school district estimated to cost \$2 million or more must contain specifications requiring that no less than 12 percent of the labor hours be performed by registered apprentices. The school district requirement resets January 1, 2010 to a \$1 million dollar threshold at 15 percent utilization.
- Four-year institutions of higher education begin a three-year graduated implementation requirement January 1, 2010 culminating January 1, 2012 with a 15 percent utilization provision for all projects estimated to cost \$1 million or more.

GA provides information and technical assistance to collect data from affected agencies for each project covered by registered apprentice utilization provisions. GA instructs affected agencies to apply the utilization provisions per legislative requirements according to the Architectural/Engineering (A/E) consultant's estimate for the project's cost to determine if

apprenticeship utilization will be required as a part of the bid. It should be noted that if the lowest responsible bid is less than the Architectural/Engineering (A/E) consultant's estimate and utilization dollar threshold for a given project, registered apprentice requirements will still apply.

The Department of Labor and Industries (L&I) and GA made progress on key issues cited in the last Apprenticeship Utilization report from 2006. First of all, L&I and GA working together determined that it was feasible to verify that apprentices were registered and working for an approved training agent employer. L&I's Apprenticeship Section through a working relationship with the Prevailing Wage Section reviews affidavits to confirm the status of employers and individuals reported as apprentices. The majority of issues uncovered through this process relate to lapses in record keeping according to an apprenticeship program's active training agent or approved employer listing on record with L&I.

Online reporting for contractors was another key recommendation from the 2006 report. Since the launch of GA's Online Apprentice Database, firms that use it exclusively have a better idea of the running percentage than firms who still submit paper forms. As is common with online reporting options, employer use continues to rise as time passes. Currently, approximately 70 percent of employers are using the online reporting system.

General Administration

Data gathered by GA for this report covered active and completed projects from October 2006 through October 2009. GA also received data on projects from WSDOT that covers completed and active projects since implementation in 2006. GA is working with the Office of Superintendent of Public Instruction (OSPI) and the Higher Education Coordinating Board (HECB) to implement data gathering and reporting procedures between the agencies and schools across the state.

For projects managed by GA, overall utilization of state approved apprentices from October 2006 through mid-October 2009 averaged 20 percent. The GA Apprentice Utilization Program is operating smoothly exceeding the overall program goals of 15 percent apprentice utilization and the contractors are adapting well to GA's Online Apprentice Reporting System.

Department of Transportation

WSDOT's data for completed projects from inception of the Apprentice Utilization Program in 2006 was provided to GA for this report. Overall WSDOT's Apprenticeship Utilization Program is averaging 12.8 percent which is just over their current requirement of 12 percent. Female registered apprentices averaged 24.2 percent of the registered apprentice labor force utilized on WSDOT's completed projects which is exceptional given an historical average of approximately 7 percent female representation in the construction workforce.

WSDOT's unique Apprentice Utilization Advisory Committee will continue to meet to reevaluate the program and lessons learned during the implementation process as more data is developed. During this time, the committee will review data generated by contracts containing the registered apprenticeship requirement. The data will be used to make necessary adjustments to the program and its administration by WSDOT as specified by RCW.

State Apprenticeship and Training Council (WSATC)

The number of registered apprentices actively training in Washington State grew from just under 9,000 in 2006 to an all time high of over 18,000 in early 2009. Building and construction trade occupations led the way as commercial construction remained relatively strong through the same time period. It is notable that the unprecedented growth in the number of active registered apprentices coincides with the expanding legislative application of Apprentice Utilization in Public Works Contracting (2005 – 2009). How much of this unprecedented growth is due to the boom in construction over the same time period, or added capacity due to Apprentice Utilization contract provisions remains unclear. However, additional indicators such as an increase in employer activity suggest capacity is being added to the system.

During the time period 2005 - 2009, the state registered apprenticeship system recorded an 11 percent increase in the number of active employers. Employer activity picked up most significantly toward the end of this time period coinciding with reports of increased bidding activity in the public sector associated with the downturn in private work available. Anecdotal reports from department staff, program sponsors, and apprentice coordinators also suggest an increased interest in registered apprentice training by employers unfamiliar with Washington's registered apprenticeship system.

WSATC has also approved new building trade apprenticeship programs over the past several years and several more are in development at the time of this report (see table F-8 on page 16 for a complete listing). The motivations behind these apprenticeship program petitions are not captured as part of WSATC's approval process but apprenticeship consultant staff regularly report inquiries connected to Apprentice Utilization contract provisions.

Conclusions & Recommendations

The data provided from GA, WSDOT, and L&I appear to support the conclusion that apprentice utilization contracting provisions have added capacity to the system thereby providing new training opportunities. Both apprentice and employer participation in the system is accelerating beyond traditional levels. While the trends are encouraging, more time is needed to determine if the current economic downturn will return apprentice and employer participation levels to historical averages.

Given WSDOT's success with their Apprentice Utilization Advisory Committee, it is recommended that the Legislature consider convening a statewide forum to give participating agencies and other stakeholders the opportunity to benefit from best practices and help shape a collective vision for the next generation of registered apprenticeship utilization provisions in public and private contracting. This event could coincide with a WSATC quarterly meeting.

Apprenticeship Utilization in Washington State

Background

Registered apprentice utilization contracting provisions gained traction in the 1990s with proven effective programs in the cities of Seattle and Tacoma, the Port of Seattle and King County. Through these efforts of local policy makers, government leaders at the port, city and county levels, and private developers apprentice utilization became a notable workforce development strategy. In 2000, Governor Gary Locke built on these local successes by signing Executive Order (EO) 00-01 that instructed all state agencies under the authority of the Governor to require that registered apprentices make up at least 10 percent of the total labor hours on public works projects of more than \$2 million awarded after July 1, 2000. The utilization percentage was set to increase over time as the contract dollar threshold decreased. The EO also required apprentices to be in programs approved by the Washington State Apprenticeship and Training Council (WSATC).

In February 2005, the Washington State Legislature passed Substitute Senate Bill (SSB) 5097 (Chapter 3, Laws of 2005), which set into statute Governor Locke's Executive Order. Governor Christine Gregoire signed the legislation into law on February 24, 2005, the first bill she signed as Governor. By doing so, Washington State became the first state in the nation to statutorily require apprenticeship utilization on public works projects.

This landmark legislation required that, as of January 1, 2005, *“for all public works estimated to cost one million dollars or more, all specifications shall require that no less than fifteen percent of the labor hours be performed by apprentices.”* The Department of General Administration (GA) was tasked with providing information and technical assistance to affected agencies and collection of data from the affected projects. The law allows for some exceptions, under which awarding agency directors may adjust the requirements for a specific project if they can prove the following:

- A demonstrated lack of availability of apprentices in specific geographic areas.
- A disproportionately high ratio of material costs to labor hours, which does not make feasible the required minimum levels of apprentice participation.
- Participating contractors have demonstrated a good faith effort to comply with the act.
- Other criteria the awarding agency director deems appropriate, which are subject to review by the Office of the Governor.

The *Washington State Department of Transportation*, specifically excluded from the provisions of SSB 5097, in 2006 came under the registered apprentice requirement through Engrossed Second Substitute Senate Bill (ESSB) 6480 [Chapter 321, Laws of 2006]. The legislation required transportation to implement the Apprentice Utilization provision in contracts advertised for bid on or after July 1, 2007. As with previous initiatives, the utilization percentage was set to increase over time as the contract dollar threshold decreased. Currently for all public works by WSDOT estimated to cost \$2 million or more, all specifications require that no less than 15 percent of the labor hours be performed by registered apprentices.

While previous language in Apprentice Utilization legislation provided for exceptions under which awarding agency directors *may* adjust requirements, the Secretary of WSDOT in ESSB 6840, was directed to adjust the requirements for specific projects for the following reasons:

- The demonstrated lack of availability of registered apprentices in specific geographic area.
- A disproportionately high ratio of material costs to labor hours, which does not make feasible the required minimum levels of registered apprentice participation.

The Secretary of WSDOT was also directed in the legislation to establish an Apprenticeship Utilization Advisory Committee to include statewide geographic representation and equal numbers of contractor and labor members. This committee stands today as the only formal group of stakeholders assembled at the state level to examine and make recommendations regarding an Apprenticeship Utilization Program.

The 2007 Legislative Session cycle brought forth another advocate for registered apprentice utilization as the Washington Education Association promoted legislation to expand apprentice utilization requirements to school district projects statewide. Engrossed House Bill (EHB) 1898 passed the session and required that contracts advertised for bid by *K-12 school districts* on or after January 1, 2008 carry the apprentice utilization contract provision. As with previous implementation provisions, the utilization percentage was set to increase over time as the contract dollar threshold decreased. This phased in implementation requirement culminates January 1, 2010 after which time all contracts advertised for bid for all public works by a school district estimated to cost \$1 million or more must contain specifications requiring that no less than 15 percent of the labor hours be performed by registered apprentices.

January 1, 2010 also marks the first step for phasing in the apprentice utilization requirement for *four-year institutions of higher education*. Engrossed Substitute Senate Bill (ESSB) 5873 passed the 2009 Legislative Session and was signed into law by the Governor April 23. Over a three year period, four-year institutions of higher education are required to move from a three million/10 percent threshold to a one million/15 percent requirement effective January 1, 2012. This most recent progression of apprentice utilization legislation maintains exclusion for contracts awarded by state agencies headed by a separately elected public official.

Apprentice utilization requirements in Washington have expanded significantly since the Port of Seattle first adopted such provision in 1993. With few exceptions remaining, contractors face such requirements when bidding on state public work projects. While not a focus of this report, it should also be noted that local jurisdictions (e.g., cities, counties) throughout the state have adopted similar contracting provisions making apprentice utilization requirements the norm rather than the exception in public bid documents. How these contract provisions are implemented at the state level and what levels of registered apprentice labor are actually being achieved is the focus in the following sections of this report.

How Apprenticeship Utilization Works

State apprenticeship utilization requirements currently apply to all public works projects meeting the following criteria (note: Apprenticeship Utilization Law, unless listed below, specifically exempts contracts awarded by state agencies headed by a separately elected public official):

- As of July 1, 2004, contracts awarded by agencies under the authority of the Governor, excluding WSDOT, shall require 15 percent of the total labor hours be performed by state approved apprentices for projects estimated to cost \$1 million or more.
- As of July 1, 2009, for contracts awarded by WSDOT estimated to cost \$2 million or more, all specifications require that no less than 15 percent of the labor hours be performed by registered apprentices.
- As of January 1, 2009, all public works by a school district estimated to cost \$2 million or more must contain specifications requiring that no less than 12 percent of the labor hours be performed by registered apprentices. This requirement resets January 1, 2010, to a one million dollars threshold at 15 percent utilization.
- Beginning January 1, 2010, contracts advertised for bid for all public works by four-year institutions of higher education estimated to cost \$3 million or more, all specifications must require that no less than 10 percent of the labor hours be performed by registered apprentices. Requirements ratchet up each of the next two years resulting in a \$1 million threshold and 15 percent apprentice utilization after January 1, 2012.

GA must provide information and technical assistance to affected agencies and collect the following data from affected agencies for each project covered by this section:

- The name of each apprentice and apprentice registration number.
- The name of each project.
- The dollar value of each project.
- The date of the contractor's Notice to Proceed.
- The number of registered apprentices and labor hours worked by them, categorized by trade or craft.
- The number of journey level workers and labor hours worked by them, categorized by trade or craft.
- The number, type, and rationale for the exceptions granted under subsection (2) of this section.

GA instructs affected agencies to apply the apprentice utilization per the specified levels required in legislation according to the Architectural/Engineering (A/E) consultant's estimate for the project's cost to determine if apprenticeship utilization will be required as a part of the bid. It should be noted that if the lowest responsible bid is less than the Architectural/ Engineering (A/E) consultant's estimate and utilization dollar threshold for a given project, apprenticeship requirements will still apply.

For contracts managed by GA, with an estimated value over \$1 million the following language is included pertaining to registered apprentices – GA's Contract's Section verifies that this language is included before a contract can go out to bid:

Mandatory 15 percent registered apprentice labor hours of the total labor hours are a requirement of the construction contract. Voluntary workforce diversity goals for this apprentice participation are identified in the Instructions to Bidders and Supplemental Conditions. Bidders may contact L&I's, Apprenticeship Section, to obtain information on available apprenticeship programs.

For each project that has registered apprentice requirements, the contractor shall submit a "*Statement of Apprentice/Journeyman Participation*" on forms provided by GA, with every request for progress payment. The Contractor shall submit consolidated and cumulative data collected by the Contractor and collected from

all subcontractors by the Contractor. The data to be collected and submitted includes the following:

- Contractor name and address.
- Contract number.
- Project name.
- Contract value.
- Reporting period “Notice to Proceed” through “Invoicing Date.”
- Craft/trade/occupation of all (contractor and subcontractor trades working on the project) registered apprentices and journeymen.
- Total number of registered apprentices and total number of hours worked by apprentices.
- Total number of journeymen and total number of hours worked by journeymen.
- Cumulative combined total of registered apprentice and journeymen labor hours.
- Total percentage of registered apprentice hours worked.

Under such contracts, the contracted firm is required to collect information from their subcontractors as specified in the Supplemental Conditions. The contracted firm will submit this information with each invoice. This information is collected at GA and input into a web-based Apprentice Database. The data gathered is reported quarterly to WSATC.

Projects that fall short of the required utilization after 50 percent completion are examined by GA staff on an individual basis, and the contractor is generally contacted by telephone. Work is allowed to continue and no fines are assessed. Contractors who express difficulty in securing registered apprentices are asked to submit a letter outlining their efforts, but are still required to submit utilization reports. Exemptions are not granted after the contract has been signed, but may be negotiated prior to bidding.

Progress Report on 2006 Recommendations

The following is an update on progress from recommendations in the 2006 Legislative Report:

1. L&I and GA should work together to determine the feasibility of a systematic method of verifying that apprentices are working for registered training agents. Training agents are employers registered with the Apprenticeship Program and by law are the only employers allowed to hire apprentices.

- Progress to date includes a comprehensive effort by the Apprenticeship Section working in concert with the Prevailing Wage Section at L&I to check all affidavits submitted by

contractors. The Apprenticeship Section confirms the status of employers and individuals reported as apprentices along with any obvious violations of apprentice ratio or supervision requirements. This effort has proven effective and will be ongoing as long as current staffing levels are maintained. The majority of issues uncovered through this process relate to lapses in record keeping according to an Apprenticeship Program sponsor's "active training agent listing." In most cases, staff is able to reconcile records quickly and appropriately record the employer in question as an approved training agent.

2. L&I and GA should work together to cross-reference apprenticeship utilization data with prevailing wage affidavits in order to identify any inconsistencies in reporting on either registered apprentice or journey level hours.
 - While L&I Apprenticeship Section staff are checking prevailing wage affidavits for inconsistencies, GA staff utilizes L&I's Apprentice Tracking System to verify apprentice status on submitted reports. However, no cross check is currently in place to identify inconsistencies in reporting of hours on a given project.
3. Finally, existing regulations governing apprenticeship utilization are adequate to give GA the authority to examine a contractor's good faith effort in meeting the apprenticeship utilization requirements. Over time should a contractor be found not to be working in good faith to meet the established requirement the contractor will be identified in GA's Quarterly Apprentice Participation Report to WSATC.
 - Other than the contractual obligations as set forth on a qualifying public works project, the Senate did move during the 2009 Legislative Session to give WSATC authority to find individual employers out of compliance with their Standards of Apprenticeship for ratio, supervision, and scope of work violations. The implementation rules around this recent legislation are unwritten. While this legislation does strengthen oversight of employers as apprentice training agents, it is not directly connected to the enforcement of apprentice utilization contract provisions.

Since the launch of GA's online Apprentice Database, firms that use it exclusively have a better idea of the running percentage than firms who still submit paper forms. Exclusive use of the online database will ensure greater accuracy across the board. We believe that the online process simplifies the administrative reporting requirements for contractors and allows for easier tracking

and compilation of data. As is common with online reporting options, employer use continues to rise as time passes. Currently, approximately 70 percent of employers are using the Online Reporting System.

2009 Data Collection and Report Preparation

In meeting this report request, GA used established apprenticeship utilization data gathering procedures. Data gathered by GA for the 2009 report covered active and completed projects from October 2006 through October 2009. GA also received data on projects from WSDOT that cover completed and active projects since implementation in 2006. As of the date of this report, no data was available beyond these two sources.

GA is working with the Office of Superintendent of Public Instruction (OSPI) to implement data gathering and reporting procedures between the two agencies and school districts across the state. The same efforts are underway with the Higher Education Coordinating Board and affected four-year institutions of higher education.

L&I's, Apprenticeship Section compiled the data gathered by GA to prepare this report on behalf of both agencies.

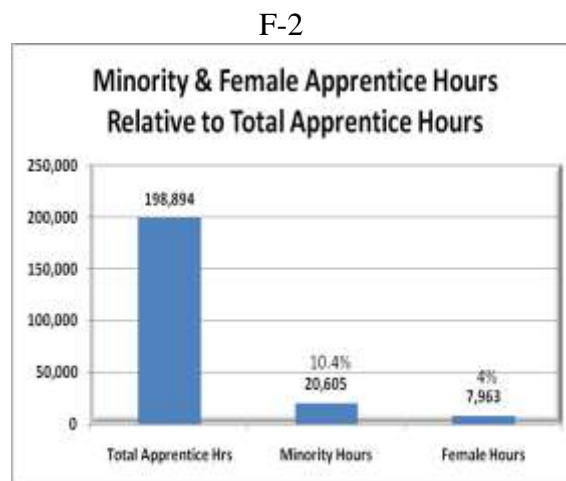
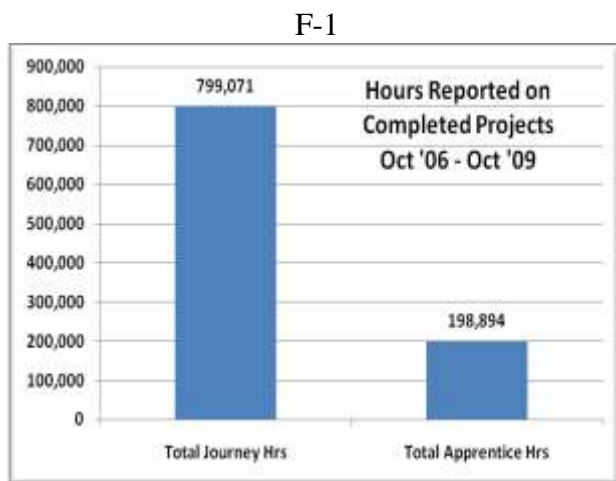
General Administration Projects

Data Summary

Registered apprentice and journey-level worker data are collected and compiled by GA. Total project journeyman labor and total apprentice labor hours are used to calculate the project apprentice participation percentage. The data utilized in this report covers completed public works projects from mid-October 2006 through mid-October 2009.

During the time period specified above, 51 projects were completed by 40 different contracting firms. All projects during this time period were subject to the 15 percent apprentice utilization level. 43 of 51 or 84 percent of completed projects met the requirement at an average of 23.46 percent apprentice labor hours. Eight of 51 or 16 percent of these projects did not meet the minimum apprentice utilization levels. The average utilization level for these eight projects was 11.24 percent.

Overall, utilization of state approved apprentices on projects from October 2006 through mid-October 2009 averaged 20 percent (See F-1). Data regarding the utilization of minority and female apprentices as a percentage of total apprentice hours is represented in F-2.



GA Department Comments

GA is in the process of reviewing the reporting procedures to determine what can be done to verify the relative percentages of registered apprentices to journey workers on a given project. This issue can also be addressed by GA and L&I working to cross-reference apprenticeship utilization data with prevailing wage affidavits in order to identify any inconsistencies in reporting

on either registered apprentice or journey level hours. Staffing levels to date have not allowed for this process to occur.

Overall, the Apprentice Utilization Program is moving smoothly. Reports from contractors come every month and a database is available for contractors to login and do their report online. Approximately 70 percent of the contractors report online. There have not been any serious problems other than the issue of minor contractor reporting irregularities as mentioned above. For a summary of data gathered to date for active projects under GA's purview, please see Appendix B.

Occasionally, a contractor will fail to meet the apprenticeship percentage goal. When E&AS' project managers notice that a contractor appears to be falling short of the goal, we ask the contractor to explain their efforts. We encourage contractors to make a good faith effort. Our contracts have no financial sanctions to enforce apprenticeship goals.

Department of Transportation Projects

Data Summary

WSDOT data for completed projects from inception of the apprentice utilization contract provisions in 2006 show a significant level of compliance (F-3). During the time period, nine of the 13 projects completed demonstrated compliance at an average of 15.6 percent apprentice utilization. The four remaining projects averaged 6.5 percent apprentice utilization (Note: one of

(F-3)

Project Name	Notice to Proceed	Apprentice Total Hours	Journey Total Hours	% Apr.	Apr. Goal	% Female Apprentice	% Minority Apprentice
Schloman Road to 256 th & 268 th Intersection	4/12/2007	11,051	55,688	16.6%	10%	34.6%	34.95%
Cornwall Road to Hatch Rd Dowel Bar	4/26/2007	3,644	15,186	19.4%	10%	35.1%	16.71%
US 395/NSC BNSF RR Tunnel	12/10/2007	6,200	34,498	15.2%	10%	0.3%	25.35%
Peshastin East Interchange	12/12/2007	8,714	30,870	22.0%	10%	1.3%	23.38%
Bossburg Road to Canada HMA Paving & Safety	1/17/2008	1,577	19,362	7.5%	10%	48.1%	1.46%
NCR Seal 2008	2/15/2008	0	6,815	0.0%	10%	0.0%	0.00%
Scatter Creek/Maytown Rest Area Improvements	2/13/2008	1,555	8,837	15.0%	10%	84.1%	15.95%
SR 526 40 th Ave W to Casino Rd Overlay & Illumination	5/20/2008	3,958	23,643	14.3%	10%	41.2%	17.86%
Castle Rock Vicinity – SR 502	6/24/2008	1,667	13,764	10.8%	10%	12.7%	30.17%
Bakerview Rd To Nooksack R Bridge- Pavement	11/25/2008	1,935	12,877	13.1%	12%	25.4%	32.51%
SR 28/SR 281, Quincy Area Paving Project	2/4/2009	1,742	10,632	14.1%	12%	31.5%	39.32%
SR 20 to Skagit River & Freeway Drive to RR Xing	2/17/2009	1,063	10,558	9.1%	12%	0.4%	8.28%
Keechelus Dam to Cabin Cr EB – Pavement Repair	4/15/2009	190	1,857	9.3%	12%	0.0%	15.79%
Totals:		43,296	244,587				

the four, a chip seal project in Central Washington came in at 0 percent which was addressed through the contractor's good faith effort). Overall, WSDOT's Apprenticeship Utilization Program is averaging 12.8 percent which is just over the current requirement of 12 percent. For a summary of data gathered to-date for completed and active projects under WSDOT's purview please see Appendix C.

The Federal Highway Administration (FHWA) requires that some federally funded transportation contracts include on-the-job training (OJT) opportunities for minorities and females. The training goal is assigned to the contract as a number of hours that must be performed by trainees. This training may be provided through established national or state registered apprentice programs or by a FHWA approved project-specific training program. On-the-job trainees do not meet the definition of a state approved apprentice; however female and minority apprentices may fulfill FHWA OJT requirements. This means that some federally funded WSDOT contracts will contain both state and federal training programs with different compliance requirements for contractors.

Female apprentices averaged 24.2 percent of the registered apprentice labor force utilized on the completed projects. Minorities as a percentage of the registered apprentice labor force on these projects averaged 20.1 percent. It is exceptional that female apprentice utilization outpaces minority representation in the same labor pool. Females are traditionally underrepresented in building trade occupations with an historical average of approximately 7 percent (journey and apprentice workers).

WSDOT Comments

Although additional data is needed to evaluate all aspects of the state apprenticeship program and its effects on WSDOT projects, initial data suggests that the program can be successfully implemented. Data on the availability of apprenticeship programs illustrates that programs are available statewide in each of the trades most commonly used to construct WSDOT projects. Data also shows that enrollment in these programs has increased during the past three years.

WSDOT's Apprentice Utilization Advisory Committee continues to meet to reevaluate the program and lessons learned during the implementation process as more data is developed. During this time, the committee will review data generated by contracts containing the apprenticeship requirement. This data will be used to make necessary adjustments to the

program and its administration by WSDOT. Absent data no exceptions to the apprenticeship requirement has been established to date. We are currently in the first cycle of data collection and that information upon completion will be reviewed by the Apprenticeship Advisory Committee.

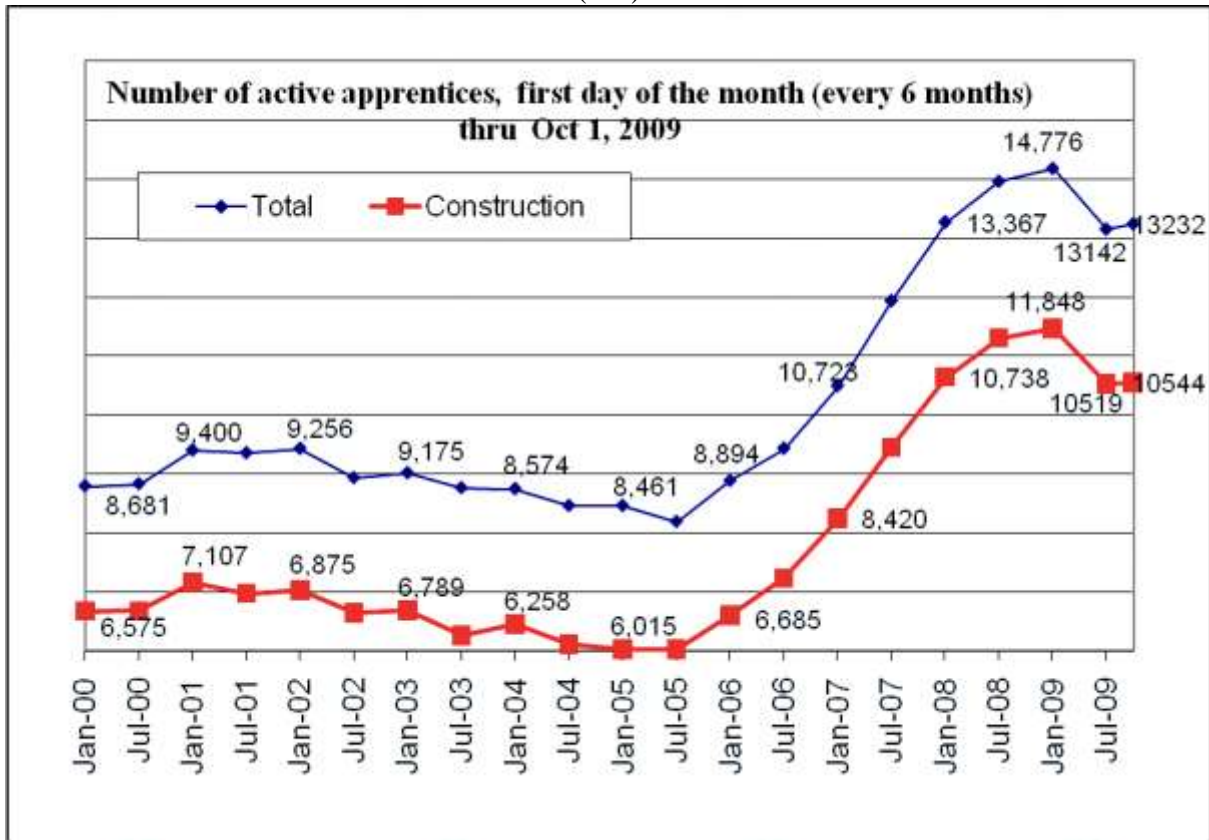
Apprenticeship and Training Council

Registered Apprentice Trends in Construction Trades

The WSATC and L&I promote a highly skilled and diverse workforce by developing and supporting apprenticeship training programs throughout the state. This work is carried out under the authority of Chapter 49.04 RCW, in partnership with business, labor, and education. From 2005 to present, WSATC has presided over the largest expansion ever in total number of active registered apprentices in this state. This growth was fueled by new registrations in the building and construction trade occupations.

The number of registered apprentices actively training in Washington State continued to climb through much of 2008. The building and construction trade occupations led the way as commercial construction remained relatively strong through the same time period. The upward trend in overall number of active registered apprentices appears to have peaked and in fact declined slightly through the first two quarters of 2009 (see figure F-4). It is interesting to note that the unprecedented growth in the number of active registered apprentices coincides with the expanding legislative application of apprentice utilization in public works contracting (2005 – 2009). Whether this unprecedented growth is due to the boom in construction over the same time period, or a reflection of added capacity due to Apprentice Utilization contract provisions remains unclear. One could argue that if the number of active registered apprentices remains above traditional levels during the present downturn in economic activity, apprentice utilization programs have a positive net impact on the capacity of the overall system.

(F-4)



L&I's Apprenticeship Section tracks all relevant data with regard to registered apprentice activity in the state. A breakdown of the registered apprentice activity over the past two years helps illustrate some of the details of the exceptional growth in overall numbers. Figure F-5 contains an annual comparison of minority, female, and veteran participation as well as the number of apprentice registrations, cancellations, and completions. Note the rate at which the registrations over the two-year period outpace completions and cancellations.

(F-5)

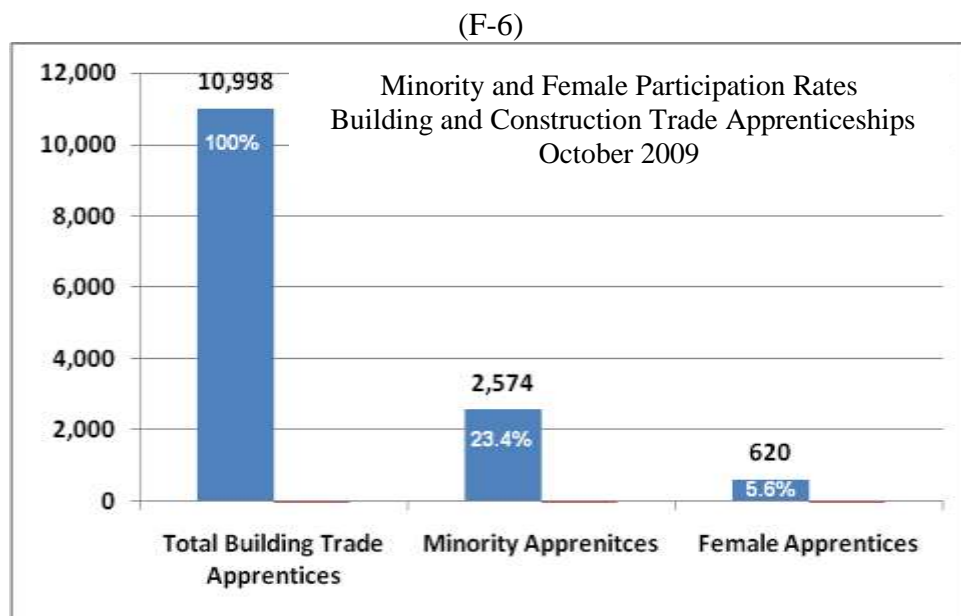
Annual Comparison of Apprentice Activity

Active Apprentices	2007		2008	
Total	17,379		18,656	
Minority	4,073	23.4%	4,490	24%
Female	1,935	11.1%	1,864	10%
Veteran	1,769	10.2%	1,960	10.5%
Apprentice Activity				
Registered	6,725		5,368	
Completed	1,174		1,397	
Cancelled	2,071		2,303	

It is interesting to note that while women as a percentage of all apprentices registered over the two-year period covered in table F-5 averaged 7 percent, women make up only 5.6 percent of all building trade apprentices (F-6). To put statewide female participation in the context of the

Apprentice Utilization data received to-date, for completed projects reported by GA, females are underrepresented by 4 percent while WSDOT completed projects are overrepresented for females by 24.2 percent.

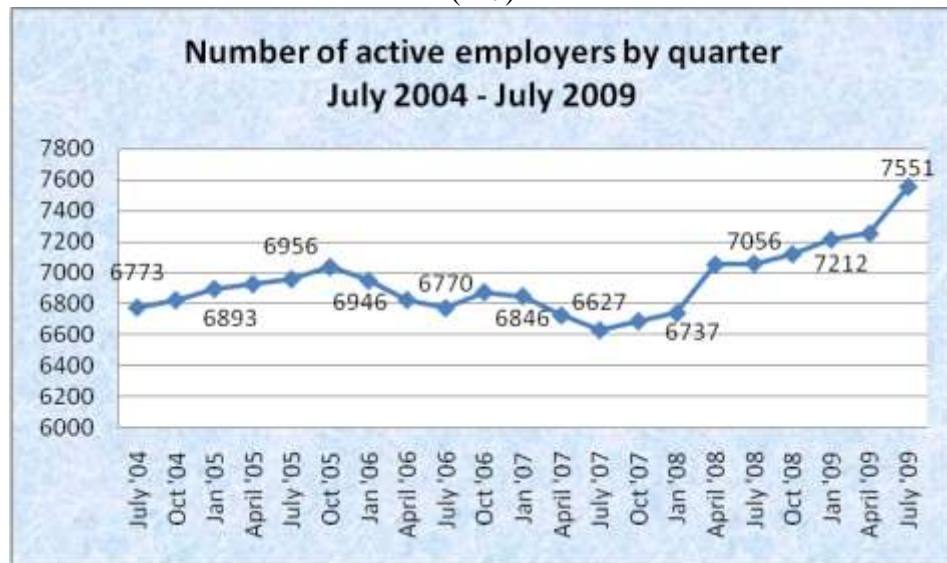
Minority participation in building trade apprenticeship programs statewide averages 23.4 percent of the total number of active registered apprentices (Figure F-6). This is relatively consistent with affirmative action goals as established by the WSATC under CFR 29.30. Both GA and WSDOT completed projects come in under the state average for minority participation at 10.4 percent and 20.1 percent respectively.



Program and Employer Activity

Additional indicators of increased capacity to train apprentices in Washington State would be the number of employers and programs approved by the WSATC. During the time period from July 2004 to July of this year, the state apprenticeship system recorded an 11 percent increase in the number of active employers (F-7). Employer activity appears to pick up most significantly toward the end of this time period. This recent increased activity is consistent with reports of increased bidding activity in the public sector associated with the downturn in private work available. Anecdotal reports from department staff, program sponsors, and apprentice coordinators also suggest an increased interest in registered apprentice training by employers unfamiliar with Washington's registered apprenticeship system.

(F-7)



WSATC has also approved several new building trade apprenticeship programs over the past several years and several more are in development at the time of this report. The motivations behind these apprenticeship program petitions are not captured as part of WSATC's approval process but apprenticeship consultant staff regularly report inquiries connected to Apprentice Utilization contract language provisions. The following building trade programs and/or occupations have been approved since 2004:

(F-8)

WSATC Meeting	Action	Sponsor	Occupation
April 2009	New Program	Wyser Construction, Inc.	<i>Landscape Technician</i>
October 2008	New Program Standards	Simplex Grinnell	<i>Sprinkler Fitter</i>
October 2008	New Program Standards	ThyssenKrupp Access Residential Elevator	<i>Residential Elevator & Accessibility Mechanic</i>
October 2007	New Occupation	SE WA /NE OR Sheet Metal Workers	<i>Sheet Metal Service Technician</i>
April 2007	New Occupation	Greater Puget Sound Electrical Workers	<i>Residential HVAC Electrician</i>
April 2007	New Program Standards	Rey-Com. Inc.	<i>Telecommunications Technician</i>
October 2006	New Program Standards	UA (26, 32, & 598), AWIU (7, 36, & 82) and Employers Firestop/Containment Worker JATC	<i>Firestop/Containment Worker</i>
July 2006	New Occupation	NE WA-N ID Sheet Metal JATC	<i>HVAC Service Technician</i>
July 2006	New Occupation	NE WA-N ID Sheet Metal JATC	<i>Residential Sheet Metal Worker</i>
April 2006	New Program Standards	Electrocom	<i>Sound and Communications Technician</i>

April 2006	New Program Standards	NSCA Washington State EST Apprenticeship Committee	<i>Electronic Systems Technician</i>
April 2006	New Program Standards	Western Masonry Apprenticeship Committee	<i>Bricklayer</i>
January 2006	New Program Standards	WA State Department of Transportation JATC	<i>Transportation Technician 2</i>
October 2005	New Program Standards	NW Independent Contractors Assoc. Apprenticeship Committee	<i>Carpet, Linoleum and Soft Tile Layer</i>
July 2005	New Program Standards	Glaziers, Arch. Metal and Glassworkers Residential Apprenticeship Committee	<i>Residential Glazier</i>
July 2005	New Occupation	I.E.C. of Washington Apprenticeship and Training Committee	<i>Limited Energy/Sound & Communication Electrician</i>
April 2005	New Occupation	I.E.C. of Washington Apprenticeship and Training Committee	<i>Residential Electrician</i>

Conclusions & Recommendations

The Apprentice Utilization Program is successful. While a minority of individual projects have missed the mark, overall registered apprentice participation levels for GA and WSDOT projects are exceeding goals. This is a good indication that the program has been an effective workforce development tool by creating opportunities for registered apprentices to work and learn their trade.

The data provided from GA, WSDOT, and L&I appear to support this conclusion. Both registered apprentice and employer participation in the system is accelerating beyond traditional levels. More time is needed to study the trends to determine if the current economic downturn will return registered apprentice participation levels to historical lows.

Additionally, GA and L&I need to continue to evaluate processes and procedures for implementing a cross-reference check for apprenticeship utilization data with prevailing wage affidavits in order to identify any inconsistencies in reporting on either registered apprentice or journey level hours. While L&I's Apprenticeship Section staff review prevailing wage affidavits for accuracy and GA staff utilize L&I's Apprentice Registration and Tracking System (ARTS) to verify apprentice status on submitted reports, no cross check is currently in place to identify inconsistencies in reporting of hours on a given project.

Compliance with Apprenticeship Utilization Requirements

Under the current statute, there are few consequences for contractors who do not meet the required apprenticeship utilization levels. Statute directs GA to award construction contracts to the lowest responsive and responsible bidder. However, GA is continuing to explore factors that may contribute to below-target participation in some trades and to improve compliance both with Apprentice Utilization requirements and Apprenticeship Standard Regulations including meeting goals for recruitment and retention of women and minorities. Overall contractors understand the importance of the Apprenticeship Program and are reporting regularly utilizing GA's Online Reporting System. GA continues to work within existing statutes to monitor apprenticeship utilization levels and help contractors meet their goals.

Apprenticeship Utilization Stakeholders Committee

The Secretary of WSDOT was directed in legislation to establish an Apprenticeship Utilization Advisory Committee to include statewide geographic representation and equal numbers of contractor and labor members. This committee stands today as the only formal group of stakeholders assembled at the state level to examine and make recommendations regarding an Apprenticeship Utilization Program.

Given the recent legislative initiatives to expand the program to K-12 public schools and four-year institutions of higher education and WSDOT's success with their Apprentice Utilization Advisory Committee, the legislature should consider convening a statewide stakeholder group that could convene in conjunction with a WSATC quarterly meeting. The purpose would be to bring affected agencies and stakeholder groups to the table to benefit from best practices and help shape a collective vision for the next generation of registered apprenticeship utilization provisions in public and private contracting.

Appendix A

Construction/Apprentice Demand & Supply Study (Executive Summary Only*)

Final Report for the
Workforce Training Board &
State Board for Community and Technical Colleges

Deena Heg
Bob Watrus

August 31, 2007

*For a complete copy of the report contact the Workforce Training and Education Coordinating Board or the State Board for Community and Technical Colleges.

Executive Summary

At the request of the Workforce Training Board and State Board for Community and Technical Colleges, research was conducted on the demand for and supply of apprentices in Washington state, along with implications for the state's workforce development system.

This research involved interviewing those familiar with the construction industry and apprenticeship system; collecting and analyzing data on construction industry and occupational employment, those working in construction, and apprenticeship programs; reviewing reports on the construction industry, the apprenticeship system, training results, employers' workforce and training needs, and apprentice utilization policies and their impact; and conducting a survey of joint apprenticeship training committees (JATCs).

On the demand side, construction industry employment grew in the early to middle part of this decade, reaching 166,150 in 2005. Nonresidential construction—which makes up about 85 percent of construction industry employment and is most likely to use apprentices—grew to 140,811 in 2005. Construction industry employment is projected to grow faster than the statewide average for all industries through 2009 (2.6 per-cent per year compared to 1.9 percent) and at the same rate from 2009 to 2014 (1.2 percent).

Employment in building and construction trades occupations is projected to continue to grow over the next several years, due to growth and replacement needs. The 26 building and construction trades occupations for which apprenticeship programs exist in Washington state employed an estimated 197,649 in 2004. In construction alone, they employed 97,301 and in nonresidential construction, 82,897. These occupations are projected to create an average of 8,048 openings per year through 2009 in all sectors and over 7,055 openings per year from 2009 to 2014. High demand building and construction trades occupations—those projected to have 100 or more openings per year—include carpenters; construction laborers and related occupations; painters; electricians; plumbers, pipefitters and steamfitters; operating engineers and other construction equipment operators; roofers; drywall and ceiling tile installers; sheet metal workers; tapers; cement masons and concrete finishers; insulation workers; glaziers; brickmasons and blockmasons; and ironworkers.

In addition to industry growth, other factors affecting demand include the aging of the construction workforce and apprentice utilization requirements, which require that a set percent of labor hours worked on public works projects be performed by apprentices.

On the supply side, apprenticeship programs are a major source of skilled labor in the building and construction trades, especially the nonresidential segment of the construction industry. As construction sector activity began to increase in the early to middle part of this decade, so did the number of apprentices. Apprenticeship registrations grew from 2,357 in 2003 to 4,405 in 2006, an increase of 87 percent. Active apprentices grew from over 8,921 in 2004 to 11,052 in 2006, an increase of 24 percent. Among the building and construction trades occupations reporting significant increases in both apprenticeship registrations and active apprentices were carpenters; electricians; ironworkers; and plumbers, pipefitters, and steamfitters. During the same time period, apprenticeship completions fluctuated.

A shortage of skilled labor in most building and construction trades occupations is indicated by demand and supply data, as well as employer and JATC survey results. Results of the JATC survey conducted as part of this study suggest the shortage of skilled labor is most acute in the following building and construction trades occupations: brickmasons and blockmasons; carpenters; construction laborers and related occupations; electricians; ironworkers, operating engineers and other construction equipment operators; painters; plumbers, pipefitters and steamfitters; and sheet metal workers.

The study's findings suggest the need to conduct regularly occurring demand-supply analyses combining labor market data and JATC survey results to identify education and training needs in the building and construction trades. This information can then be used by workforce development system partners to respond to changes in demand and supply. In addition, there is the need—and the interest—to strengthen connections between workforce development system partners involved in apprenticeships. Opportunities for closer collaboration include a more coordinated approach to promoting the building and construction trades as a source of high wage, high skill jobs as part of addressing the gap in demand and supply.

Appendix B

General Administration Completed and Active Projects

Apprentice/Journeymen Participation Summary Projects with Construction Complete (10/01/2006 - 10/01/2009)

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Apprentice/Journeymen Participation Summary Active Projects

Apprentice/Journeymen Participation Summary - Projects With Construction Complete (10/1/06 - 10/01/2009)

November 19, 2009

Project	Description	City	Contractor	Notice to proceed	Initial Award	Current Cost	Apprentice Total Hours	Journeyman Total Hours	% App Hrs	% Female Apprentice	% Minority Apprentice
00-050	1 6 West Access Driveway	Puyallup	Gary Merino Construction Co.	6/5/2006	\$ 1,151,942	\$ 1,534,640	706.5	4,768.75	12.90%	12.88%	0.00%
00-159	2 3 Chiller Plant Upgrade	Shoreline	McClure and Sons, Inc.	12/5/2005	\$ 1,615,654	\$ 2,036,872	1491	3,217.50	31.67%	0.00%	0.00%
00-224	3 1 Leg. Bldg. Omnibus & South Plaza - Sundial Pathway	Olympia	M. A. Mortenson Co. - Everett	10/11/2005	\$ 70,000	\$ 3,387,818	815.5	4,518.75	15.29%	0.00%	0.00%
01-618	1 1 Building No. 2 Renovation - Camp Murray	Tacoma	Pease Construction, Inc.	11/29/2005	\$ 1,029,852	\$ 1,724,775	2,884.75	7,068.50	28.98%	0.00%	3.88%
02-091	2 1 Basic Skills and Computer Lab Addition	Walla Walla	Opp & Seibold General Construction, Inc.	8/3/2006	\$ 7,233,413	\$ 7,899,850	5,444.50	33,869.15	13.85%	0.45%	7.20%
02-125	3 1 New Science Building	Tacoma	Solpac, Inc. dba Soltek Pacific	8/10/2005	\$ 19,780,000	\$ 22,304,000	29,650.75	140,063.00	17.47%	4.16%	23.51%
02-266	1 3 Building B1	Tacoma	Benschauer Construction, Inc.	3/30/2007	\$ 1,359,150	\$ 1,498,739	1,015.25	5,660.50	15.21%	1.18%	44.03%
02-266	1 4 Defense Education Center, Building 92	Tacoma	GenCon Pacific, Inc.	3/30/2007	\$ 1,389,372	\$ 1,509,061	1,338.75	5,317.75	20.11%	0.00%	39.89%
03-038	1 1 Bremer Student Center - Bookstore	Bremerton	Tunista Arctic Rim/TBI Construction, LLC	12/23/2005	\$ 2,788,000	\$ 3,491,115	3,332.50	14,461.00	18.73%	9.71%	28.49%
03-116	1 1 Building "D" Renovation/Addition	Bellevue	PCL Construction Services, Inc.	6/20/2005	\$ 9,364,800	\$ 12,325,748	14,905.50	89,063.45	14.34%	15.60%	34.59%
03-119	2 1 New Student Center	Lakewood	Wade Perrow Construction LLC	5/30/2006	\$ 11,641,900	\$ 13,252,773	9,995.75	52,773.75	15.92%	3.49%	20.62%
03-128	1 1 Health Science Facility	Walla Walla	Levermer Construction	3/20/2006	\$ 8,039,300	\$ 8,807,508	11,076.00	49,299.35	18.35%	0.65%	21.60%
03-130	2 1 Allied Health Building	Wenatchee	Graham Construction & Management, Inc.	9/14/2005	\$ 15,365,000	\$ 17,396,331	10,050.60	60,434.29	14.26%	11.48%	14.91%
03-143	1 1 New Science/Tech Building	Bremerton	Aldrich & Associates, Inc.	1/5/2006	\$ 14,021,498	\$ 16,456,037	15,167.04	59,926.14	20.20%	1.22%	20.47%
03-199	2 1 Health Sciences Renovation/Student Recreation Center	Tacoma	Jones & Roberts Company	4/17/2006	\$ 8,226,000	\$ 9,740,945	8,766.50	33,876.75	20.60%	0.27%	12.36%
03-214	2 1 Fine Arts Center	Longview	Howard S. Wright Constructors	7/19/2006	\$ 17,197,358	\$ 19,996,913	7,808.50	36,236.00	17.73%	0.00%	3.59%
03-215	1 1 Manspeaker Instructional Building	Aberdeen	Absher Construction Co.	3/7/2005	\$ 15,811,000	\$ 18,454,037	16,523.00	70,002.25	19.10%	2.41%	5.62%
03-216	1 1 New Science Building	Auburn	Bayley Construction	6/28/2005	\$ 18,977,000	\$ 23,440,412	20,224.50	85,660.95	19.10%	0.00%	15.13%
03-218	2 1 New Science Building	Centralia	Schwiesow Construction, Inc.	7/2/2007	\$ 23,264,300	\$ 25,761,073	19,569.00	68,127.45	22.31%	0.32%	0.62%
03-223	2 2 Natural Sciences Complex	Olympia	M. A. Mortenson Co. - Olympia	8/2/2007	\$ 21,186,226	\$ 23,073,613	6,281.50	34,922.00	15.26%	21.63%	7.45%
04-002	2 1 New Arts & Science Facility	Everett	M. A. Mortenson Co. - Everett	6/21/2004	\$ 170,000	\$ 23,735,816	16,780.25	88,671.10	15.91%	7.95%	15.44%
04-008	1 1 Instructional Lab Bldg / Black Box Theater	Lynnwood	SpeelWest Construction	5/25/2006	\$ 13,972,200	\$ 18,633,282	13,866.25	73,324.50	15.80%	0.95%	24.08%
04-023	1 2 S Campus Expan, Phase II. Learning/Academic Bldg.	Tacoma	Merit Company	10/24/2005	\$ 9,539,478	\$ 10,574,992	7,552.50	26,925.75	21.91%	0.00%	11.85%
04-033	4 1 Health Education Building, Pierce College Puyallup	Puyallup	Kassal Construction, Inc.	4/18/2007	\$ 4,123,900	\$ 4,698,627	2,711.50	11,787.75	18.70%	0.00%	2.66%
04-045	3 1 Pagoda Union Building Renovation	Shoreline	Benschauer Philips Construction Co	6/27/2006	\$ 13,786,722	\$ 16,689,445	16,404.00	84,688.25	16.23%	16.33%	32.22%
04-051	1 1 Building Seven Renovation	Tacoma	Pease Construction, Inc.	7/27/2006	\$ 3,308,177	\$ 4,243,153	2,961.00	16,778.00	15.00%	3.51%	12.95%
04-067	2 1 Glenn/Anthon Hall Replacement	Yakima	Lydig Construction, Inc./Spokane	9/22/2006	\$ 18,486,700	\$ 21,183,124	15,269.50	77,042.75	16.54%	0.00%	30.37%
04-087	1 1 Center & Parking	Bellingham	Tiger Construction, Ltd.	9/30/2005	\$ 11,720,000	\$ 13,962,401	13,968.42	54,440.84	20.42%	0.00%	23.94%
04-095	2 1 Science & Technology Building	Port Angeles	Verno Company	10/4/2005	\$ 17,412,000	\$ 20,651,102	13,676.75	90,738.25	13.10%	0.00%	0.00%
04-100	1 4 John A. Cherberg Building Rehabilitation	Olympia	Benschauer Philips Construction Co	8/30/2005	\$ 15,490,000	\$ 20,926,472	27,564.00	123,689.50	18.22%	5.79%	10.40%
04-146	2 1 Brier Hall Remodel/Bookstore & Student Center Addition	Lynnwood	Tunista Arctic Rim/TBI Construction, LLC	6/29/2007	\$ 12,032,486	\$ 14,290,220	11,370.25	56,828.00	16.92%	0.19%	24.99%
04-158	2 1 Building	Port Angeles	Verno-Parshall (Joint Venture)	1/22/2007	\$ 10,797,000	\$ 13,151,894	8,459.00	42,285.05	16.67%	0.04%	17.32%
04-170	2 1 Wellness Center Renovation	Seattle	Biwell Construction Inc.	4/18/2006	\$ 1,167,619	\$ 2,063,477	1,668.75	5,394.75	23.62%	60.82%	32.15%
04-176	2 1 Personal Care Services Center	Lakewood	Wade Perrow Construction LLC	12/26/2006	\$ 4,999,383	\$ 5,711,186	4,765.50	25,769.50	15.60%	0.27%	42.40%
04-192	1 1 Business & Social Science Bldg. SFCC	Spokane	Kearley Construction, Inc.	4/17/2006	\$ 13,629,400	\$ 15,633,454	24,338.25	87,841.90	21.70%	0.00%	13.85%
04-217	2 1 Heritage Park Improvements	Olympia	Harlow Construction Co. Inc./Lacey	7/31/2006	\$ 1,332,895	\$ 1,550,139	1,218.00	7,594.50	13.82%	0.00%	0.00%
04-241	1 1 New Maintenance/Classroom Building	Renton	Kassal Construction, Inc.	7/5/2006	\$ 3,125,700	\$ 3,673,557	2,223.75	12,657.35	14.75%	0.00%	16.95%
04-304	1 1 WSP - BAR Units Conversion to Close Custody	Walla Walla	Lydig Construction, Inc./Spokane	4/12/2005	\$ 11,645,600	\$ 13,668,109	13,810.50	49,871.00	21.69%	3.19%	11.60%
04-310	1 2 North Close Security Compound Phase 1 (WSP DB)	Walla Walla	Turner Construction Company	3/4/2005	\$ 99,585,772	\$ 140,940,395	94,870.25	543,911.26	14.85%	1.84%	12.92%
05-013	2 1 Puget Sound Industrial Excellence Center	Seattle	Mark J. Takisaki	12/12/2006	\$ 4,780,468	\$ 5,351,738	4,922.75	22,173.59	18.17%	0.20%	31.98%
05-013	2 2 Puget Sound Industrial Excellence Ctr - Phase II	Seattle	Pellico Construction, Inc.	5/7/2007	\$ 4,237,059	\$ 4,774,750	4,629.75	17,599.50	20.83%	4.92%	12.33%
05-037	2 1 TEC Roof & EIFS Replacement	Seattle	Kenco Construction, Inc.	7/10/2006	\$ 1,868,056	\$ 2,469,437	1,669.75	9,343.25	15.16%	0.00%	0.06%
05-040	1 1 Campus Center Remodel	Mount Vernon	Ebnal General, Inc.	12/13/2006	\$ 5,490,000	\$ 6,955,225	6,809.75	14,784.75	31.53%	17.96%	0.27%
05-099	1 1 Geiser Hall Addition & Modernization	Vancouver	Emerick Construction Co.	11/6/2006	\$ 9,486,000	\$ 10,769,317	10,718.00	53,531.75	16.68%	0.00%	9.38%
05-099	2 1 Clark College at Columbia Tech Center	Vancouver	Todd Construction, Inc.	12/17/2007	\$ 19,411,000	\$ 21,518,749	22,662.75	102,009.25	18.18%	3.48%	0.22%
05-099	4 1 O'Connell Addition and Remodel	Vancouver	Par-Tech Construction, Inc.	3/21/2007	\$ 1,974,000	\$ 2,197,138	883.75	9,489.50	8.34%	0.00%	0.00%
05-150	1 2 Fine Arts Building	Moses Lake	T.W. Clark Construction, LLC	8/29/2007	\$ 2,513,800	\$ 3,254,460	1,064.50	13,702.30	7.21%	0.00%	13.43%
05-157	1 1 WSLCB Distribution Center Expansion	Seattle	Benschauer Philips Construction Co	9/26/2006	\$ 9,854,167	\$ 10,903,020	2,721.50	9,593.50	22.10%	0.00%	0.00%
05-176	1 1 Cascade Building Fire Protection	Stallacom	Pease Construction, Inc.	12/1/2005	\$ 1,573,000	\$ 1,940,547	1,436.50	7,300.00	16.44%	60.25%	60.25%
05-186	1 1 New Automotive & Welding Facility Building	Aberdeen	Rognin's, Inc.	1/2/2007	\$ 3,663,500	\$ 4,135,407	4,525.50	18,403.50	19.74%	4.28%	4.31%
05-200	1 1 Science and Allied Health Building	Mount Vernon	Tiger Construction, Ltd.	12/10/2007	\$ 20,113,000	\$ 22,943,991	14,678.75	53,364.05	21.13%	3.25%	0.00%
05-202	1 1 Campus Fire Loop	Mount Vernon	Pottle and Son's Construction	8/3/2006	\$ 1,197,716	\$ 1,368,669	1,178.00	6,879.00	16.89%	0.00%	0.68%
05-210	1 1 Center for Water Studies	Walla Walla	Opp & Seibold General Construction, Inc.	9/12/2006	\$ 2,410,365	\$ 2,491,455	875	16,941.25	4.91%	0.00%	0.00%
05-219	3 2 Gray Wolf Hall	Everett	M. A. Mortenson Co. - Everett	9/4/2007	\$ 28,634,994	\$ 30,826,103	21,488.75	84,484.25	20.28%	1.78%	0.41%
05-219	3 4 Glacier and Pilchuck Renovation & Demolition	Everett	M. A. Mortenson Co. - Everett	7/16/2007	\$ 2,032,539	\$ 1,995,676	1,09.5	1,483.50	6.87%	0.00%	32.88%
05-219	9 1 Early Learning Center Alterations & Additions	Everett	Northwestern Constr. of WA Inc	4/9/2008	\$ 2,194,215	\$ 2,574,135	1,205	5,475.10	18.04%	83.01%	0.00%
05-262	1 1 Brown Library Renovation	Wenatchee	Blodgett Construction Associates, Inc.	7/11/2006	\$ 1,775,200	\$ 2,078,782	2,398.55	8,948.50	21.14%	0.00%	45.51%
06-012	1 1 Workforce Education Center - Grandview	Grandview	Cherveneil Construction Co	1/8/2007	\$ 2,163,500	\$ 2,629,815	2,209.50	15,315.50	12.81%	0.00%	50.74%
06-013	1 1 Raymond Hall Renovation	Yakima	Concord Construction, Inc.	8/29/2007	\$ 4,767,641	\$ 5,358,410	4,423.75	19,955.75	18.15%	0.00%	7.26%
06-023	1 1 LHO Education Building	Seattle	C E & C, Inc.	6/6/2007	\$ 1,315,000	\$ 1,460,107	1,463.00	6,231.00	19.01%	0.00%	30.86%
06-029	1 1 Automotive Collision Repair Renovation & Addition	Seattle	Pellico Construction, Inc.	2/5/2007	\$ 1,835,000	\$ 1,814,942	1,321.50	8,041.00	14.11%	2.42%	2.42%
06-072	2 1 DOT Escalator/Stair Project-Phase II	Olympia	Biwell Construction Inc.	9/25/2006	\$ 1,936,239	\$ 2,999,822	2,766.50	13,077.00	17.46%	41.97%	3.76%
06-074	1 1 LWTC Science Lab Remodel	Kirkland	Northwestern Constr. of WA Inc	7/19/2006	\$ 1,271,615	\$ 1,459,021	834	3,649.50	18.60%	0.00%	13.07%
06-076	1 1 OB2 Roof Repairs	Olympia	Snyder Roofing of Washington LLC	9/25/2006	\$ 986,130	\$ 1,101,151	1,014.00	3,791.00	21.10%	0.84%	26.10%
06-077	1 1 HLB Roof Repairs	Olympia	Snyder Roofing of Washington LLC	9/25/2006	\$ 520,394	\$ 567,413	960.5	2,598.50	26.99%	0.00%	45.97%
06-099	1 1 Building 21 Addition	Tacoma	Andy Johnson & Co. Inc.	5/3/2006	\$ 1,945,500	\$ 2,171,929	2,075.00	8,731.00	19.20%	2.41%	20.92%

06-123	1	2	Science & Technology Building	Bellevue	M. A. Mortenson Co. - Bellevue	7/30/2007	\$ 27,115,608	\$ 30,007,791	27,917.85	69,335.50	28.71%	5.12%	8.79%
06-129	1	1	5th Floor Renovation	Seattle	Berschauer Phillips Construction Co	4/2/2007	\$ 5,289,066	\$ 6,181,254	4,067.50	17,452.25	18.90%	5.16%	54.27%
06-166	1	5	College Center Building Student Services Renovation	Seattle	Regency NW Construction, Inc.	4/24/2007	\$ 1,278,000	\$ 1,519,069	1,012.00	4,645.00	17.89%	0.00%	43.58%
06-190	1	1	Student Success Center	Auburn	C E & C, Inc.	8/8/2007	\$ 2,154,700	\$ 2,496,966	2,176.00	9,804.25	18.16%	0.46%	4.64%
06-205	2	1	Early Learning Center	Tacoma	Pease Construction, Inc.	10/18/2007	\$ 4,592,000	\$ 5,284,859	3,215.00	18,397.00	14.88%	1.68%	15.26%
06-235	1	1	SW WA Regional Crime Lab, Phase 2	Vancouver	Cedar Mill Construction Company	8/30/2006	\$ 2,091,325	\$ 2,353,007	1,113.00	6,333.70	14.95%	0.00%	0.00%
06-236	1	1	2006 Campus Projects	Des Moines	C E & C, Inc.	6/16/2006	\$ 1,290,000	\$ 1,704,750	796	4,511.00	15.00%	0.00%	0.00%
06-301	3	1	CBCC Support Building Roof Replacement	Purdy	Hoch Construction, Inc	4/2/2007	\$ 3,063,000	\$ 3,496,595	1,836.00	10,981.00	14.32%	0.00%	10.62%
06-304	1	1	SOU C & D Unit Improvements	Monroe	Allied Construction Associates	5/24/2006	\$ 1,885,000	\$ 2,642,896	1,024.75	1,657.50	38.20%	0.00%	45.11%
06-304	1	4	MSU 80 Bed Expansion RE-BID	Monroe	Allied Construction Associates	12/11/2006	\$ 2,194,000	\$ 2,563,556	876	1,926.00	31.26%	0.00%	2.74%
06-304	1	7	MCC WSR Kitchen Re-Roof/HVAC Replacement	Monroe	Auburn Mechanical, Inc.	5/18/2007	\$ 843,426	\$ 1,570,510	584.5	755.5	43.62%	0.00%	0.00%
06-308	1	1	SCCC Security System Improvements	Aberdeen	Status Electrical Corporation	1/2/2007	\$ 1,079,000	\$ 1,401,995	282	755	27.19%	0.00%	0.00%
06-311	1	1	200 Bed Expansion	Spokane	Lydig Construction, Inc./Spokane	7/2/2007	\$ 2,680,000	\$ 3,046,168	2,616.75	9,893.25	20.92%	0.27%	12.04%
06-312	1	1	Beds	Belfair	Drury Construction Co., Inc.	2/26/2007	\$ 1,930,000	\$ 2,352,254	2,393.50	8,298.75	22.39%	0.00%	10.80%
06-313	1	1	CRCC Phase 1 Expansion	Connell	Hunt/Lydig, JV	5/19/2006	\$ 159,928,525	\$ 205,510,361	115,305.83	311,939.25	26.98%	4.10%	10.86%
06-314	1	3	BMU Demolition	Walla Walla	Talisman Construction Services, Inc.	3/10/2009	\$ 1,339,891	\$ 1,465,936	1,716.50	6,882.00	19.96%	0.00%	0.00%
06-314	3	1	Early Bid Package (Yard)	Walla Walla	Lydig Construction, Inc./Spokane	4/17/2008	\$ 7,553,863	\$ 8,519,869	4,793.00	11,080.00	30.20%	3.58%	10.91%
06-314	3	3	South Close Security Expansion - CI Warehouse	Walla Walla	Lydig Construction, Inc./Spokane	10/13/2008	\$ 3,547,800	\$ 4,270,897	1,187.00	5,111.00	18.85%	0.00%	0.00%
06-318	1	1	TRU Laundry (Tenant Improvements)	Monroe	Allied Construction Associates	11/17/2006	\$ 2,180,000	\$ 2,660,622	1,598.00	1,895.50	45.74%	0.00%	39.42%
06-330	1	3	Cascade Unit B Wing	Littlerock	Construct, Inc	4/23/2008	\$ 3,824,000	\$ 4,078,129	3,933.25	12,971.50	23.27%	0.00%	0.00%
06-427	1	1	ESH - Westlake Fire Alarm Upgrade	Spokane	Power City Electric, Inc	6/14/2007	\$ 1,914,054	\$ 2,369,964	1,346.50	3,828.00	26.02%	0.00%	0.00%
06-443	1	1	Fircrest School - Fire Sprinklers in Y Buildings	Seattle	Regency NW Construction, Inc.	5/8/2007	\$ 668,800	\$ 837,098	240	1,075.50	18.24%	0.00%	56.67%
07-019	1	1	Building #1 Improvements	Tacoma	Lincoln Construction, Inc	3/8/2007	\$ 925,600	\$ 1,183,729	750.75	3,306.75	18.50%	1.07%	0.00%
07-151	1	1	Business Education Building Renovation	Pasco	Chervenell Construction Co	6/30/2008	\$ 4,559,600	\$ 5,068,459	2,367.7	18,928.95	11.12%	0.00%	4.03%
07-155	1	1	Brown Dental Renovation	Yakima	Concord Construction, Inc.	8/20/2008	\$ 3,526,000	\$ 3,990,501	1,734.25	7,409.97	23.17%	0.00%	0.00%
07-189	1	1	Washington Youth Academy	Bremerton	C E & C, Inc.	2/5/2008	\$ 3,510,700	\$ 4,126,529	4,267.00	19,974.25	17.60%	3.37%	0.00%
07-203	1	1	Fire Training Academy Dormitory	North Bend	Corstone Contractors LLC	10/20/2008	\$ 1,957,400	\$ 2,182,999	1,858.00	5,929.25	20.68%	0.00%	0.00%
07-214	1	1	New Vocational Education & Support Building	Vancouver	Triplett Wellman, Inc.	7/22/2008	\$ 7,755,000	\$ 9,002,597	944.00	15,533.50	5.73%	1.69%	0.00%
07-241	1	1	Roof Repairs 2008	Spokane	Icon Corporation	6/26/2008	\$ 1,070,000	\$ 1,175,197	580	4,121.00	12.34%	14.74%	0.00%
07-246	1	1	Campus Lighting Infrastructure Upgrades	Auburn	High Mountain Electric, Inc.	6/20/2008	\$ 1,063,032	\$ 1,225,285	210.5	509	29.26%	0.00%	0.00%
08-040	1	1	New Physical Education Center	Vancouver	Corp, Inc.	1/24/2008	\$ 7,575,000	\$ 8,912,839	5032.25	33,322.03	13.12%	1.70%	0.00%
08-086	1	1	High Voltage Improvements	Olympia	Potolco Inc.	10/2/2008	\$ 1,443,850	\$ 1,980,073	448	3,794.69	10.56%	0.00%	0.00%
08-165	1	1	Bldg. 19 Aircraft Noise Reduction, Phase II Ventilation	Des Moines	Western Ventures Constr, Inc	5/29/2008	\$ 1,661,500	\$ 1,913,585	1,146.75	5,072.50	18.44%	3.92%	0.00%
08-303	1	2	MCCCW 100 Bed Housing Unit Expansion	Belfair	Shinstine Assoc. Inc.	3/16/2009	\$ 2,814,000	\$ 3,474,134	886.50	5,688.00	13.48%	0.00%	0.00%
08-305	1	4	HVAC Replacem.	Monroe	Queen City Sheet Metal & Roofing	4/14/2008	\$ 1,016,362	\$ 1,194,929	2,304.00	1708	57.43%	0.00%	35.03%
08-307	1	1	WSP Laundry Improvements	Walla Walla	Lydig Construction, Inc./Spokane	7/13/2009	\$ 2,215,300	\$ 2,443,811	60.00	44	57.69%	0.00%	0.00%
08-313	1	1	AHCC Replace Heating & Cooling Loop Distribution Line	Spokane	Graham Construction & Management, Inc.	5/29/2008	\$ 1,865,500	\$ 2,139,771	574	4023	12.49%	0.00%	0.00%
08-315	1	1	WCC - Building G Roof Replacement - Phase 2	Shelton	Wayne's Roofing, Inc.	6/18/2008	\$ 2,911,500	\$ 3,445,342	3520.99	12896	21.45%	0.00%	1.42%
08-316	1	1	WCC Housing Units Roofs Replacement	Shelton	Icon Corporation	6/23/2008	\$ 4,141,750	\$ 4,526,557	3938.5	12,351.00	24.18%	0.00%	0.00%
08-411	1	1	Lakeland Village - Cottage Renovation Phase 5	Medical Lake	Mark J. Takisaki	6/16/2008	\$ 2,045,600	\$ 2,509,050	10032.96	37,968.98	22.13%	0.00%	0.00%
							\$ 1,114,853,346	\$ 820,061.19	3,578,734.94	18.64%	3.64%	13.16%	



Apprentice/Journeymen Participation Summary - Active Projects

November 19, 2009

Project	Description	City	Contractor	Notice to Proceed	Initial Award	Current Cost	Apprentice Total Hours	Journeyman Total Hours	% App Hrs	% Female Apprentice	% Minority Apprentice
00-405 9 1	Phase II - Residential Housing Unit Renovation	Snoqualmie	C E & C, Inc.	5/27/2008	\$ 9,628,800	\$ 11,475,222	10021	36,286.25	21.64%	24.52%	2.38%
03-185 2 1	Marine Science & Technology Center	Des Moines	Advanced Technology Construction Corp.	7/9/2007	\$ 1,545,000	\$ 2,165,801	1,201.83	6,948.94	14.74%	0.00%	12.06%
03-196 1 2	Arts & Allied Health Building, Pierce College Puyallup	Puyallup	Leo Finnegan Constr Co, Inc	6/30/2008	\$ 18,736,699	\$ 20,937,272	3,219.00	23,959.05	11.84%	0.00%	12.74%
03-200 1 1	Rainier Building	Steilacoom	Aldrich & Associates, Inc. (northwest adjustment serv ops steez Cons	6/9/2008	\$ 23,203,000	\$ 28,477,675	18837.55	79,530.25	19.15%	0.91%	1.44%
05-186 1 3	700 Building Renovation	Aberdeen		4/13/2009	\$ 896,534	\$ 1,164,778	386.20	800.50	39.14%	0.00%	0.00%
05-187 1 1	Humanities Building	Bremerton	Pease & Sons, Inc.	4/29/2008	\$ 20,555,044	\$ 22,904,192	3014	14,187.50	17.52%	0.00%	0.00%
05-196 1 1	Cascade Building Core Renovation - Phase I	Steilacoom	Pease Construction, Inc.	9/14/2007	\$ 9,107,438	\$ 14,095,750	14,252.50	66,543.50	17.64%	6.95%	18.75%
06-125 2 1	Maier Hall & West Campus Improvements-Phase 1 Site & Bldg. Prep.	Port Angeles	Primo Construction, Inc.	7/20/2009	\$ 1,348,461	\$ 1,483,521	212.00	131.00	61.81%	0.00%	0.00%
06-144 1 2	Classroom Building 2	Bothell	Hoffman Construction Co. of Washington	5/12/2008	\$ 24,530,482	\$ 28,014,074	22,059.25	97,381.53	16.47%	7.42%	8.90%
06-309 1 1	WCCW Health Care Facility	Gig Harbor	Wade Perrow Construction LLC	5/14/2008	\$ 11,864,719	\$ 12,601,978	7666.5	30,235.35	20.23%	19.74%	15.03%
06-314 3 2	South Close Custody Expansion WSP Health Services Building	Walla Walla	Lydig Construction, Inc./Spokane	9/2/2008	\$ 22,931,500	\$ 26,057,550	2,278.00	10,641.00	17.63%	0.00%	2.79%
06-481 1 1	Green Hill School - HCA/IMU Buildings	Chehalis	Aldrich & Associates, Inc.	6/2/2008	\$ 9,952,000	\$ 11,089,899	8,989.96	32,930.66	21.45%	0.07%	0.27%
07-022 3 2	John L. O'Brien Building Renovations	Olympia	Berschauer Phillips Construction Co	4/23/2009	\$ 11,195,208	\$ 9,605,822	2,344.00	10,822.25	17.80%	14.72%	4.99%
07-113 1 1	Edison Building Interior Renovation	Seattle	Graham Contracting, Ltd	2/4/2009	\$ 10,020,000	\$ 11,335,110	566.50	3,304.50	14.63%	0.00%	23.92%
07-129 2 1	Student Residence Hall	Wenatchee	Citadel Construction, Inc.	9/18/2008	\$ 2,154,926	\$ 2,466,777	547.00	1,487.00	26.89%	0.00%	2.01%
07-152 1 1	Center for Career & Technical Education	Pasco	Chervenell Construction Co	6/16/2009	\$ 16,589,000	\$ 18,026,978	2686.5	24416.5	9.91%	0.00%	1.49%
07-176 2 1	Magnuson Building Renovation - SFCC	Spokane	Meridian Construction, Inc.	3/6/2009	\$ 767,608	\$ 914,663	1126.29	2178.69	34.08%	0.00%	0.00%
07-202 2 1	Fire Training Academy - Wastewater Treatment Facility	North Bend	Hisey Construction, Inc. (WY)	10/20/2008	\$ 1,474,000	\$ 1,646,632	1,047.75	4,341.00	19.44%	0.00%	4.77%
07-207 1 1	Maintenance & Receiving Building	Wenatchee	Whitebird, Inc.	5/14/2008	\$ 1,271,791	\$ 1,510,781	538	8,191.50	6.16%	0.00%	0.89%
08-056 1 1	Meadowdale Hall Renovation	Lynnwood	Ebenal General, Inc.	1/12/2009	\$ 5,310,000	\$ 6,030,846	3669.5	8,418.00	29.78	18.90%	4.15%
08-150 3 1	Campus Center Redevelopment - Phase I - Vocational Building	Olympia	Berschauer Phillips Construction Co	9/26/2008	\$ 8,550,000	\$ 9,515,610	1240.5	8,352.25	12.93%	0.00%	0.00%
08-150 3 3	Bldg 23	Olympia	Berschauer Phillips Construction Co	8/13/2009	\$ 7,432,239	\$ 7,717,489	208	2,798.00	6.92%	0.00%	0.00%
08-300 1 1	Treatment Program Building	Spokane	T.W. Clark Construction, LLC	8/20/2008	\$ 2,968,000	\$ 3,875,109	1,432.00	11583.9	11.00%	0.00%	0.00%
09-015 1 1	Childcare Facility	Aberdeen	Lincoln Construction, Inc	5/4/2009	\$ 1,553,276	\$ 1,722,932	56.5	1,945.25	2.82%	0.00%	0.00%
					\$252,836,541.83		107,600.33	487,214.37	18.09%	7.26%	7.98%

Appendix C

Department of Transportation Completed and Active Projects

Apprentice/Journeymen Participation Summary Projects with Construction Complete through October 2009

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Apprentice/Journeymen Participation Summary Active Projects

Apprentice/Journeymen Participation Summary - Completed Projects

Project Name	City	Contractor	Notice to Proceed	Initial Award	Current Cost	Apprentice Total Hours	Journeyman Total Hours	% Apr.	Apr. Goal	% Female Apprentice	% Minority Apprentice
Schloman Road to 256th & 268th Intersection	Arlington	Scarsella Bros., Inc	4/12/2007	\$10,747,747	\$11,082,819	11,051	55,688	16.6%	10%	34.6%	34.95%
Cornwall Road to Hatch Rd Dowel Bar	Spokane	ACME Concrete Paving, Inc	4/26/2007	\$2,994,014	\$3,006,260	3,644	15,186	19.4%	10%	35.1%	16.71%
US 395/NSC BNSF RR Tunnel	Spokane	Scarsella Bros., Inc.	12/10/2007	\$17,294,960	\$17,954,000	6,200	34,498	15.2%	10%	0.3%	25.35%
Peshastin East Interchange	Wenatchee	KLB Construction, INC.	12/12/2007	\$9,776,779	\$10,472,413	8,714	30,870	22.0%	10%	1.3%	23.38%
Bosburg Road to Canada HMA Paving & Safety	Northport	Knife River	1/17/2008	\$4,251,940	\$4,400,727	1,577	19,362	7.5%	10%	48.1%	1.46%
NCR Seal 2008	Multiple	Central Washington Asphalt, Inc.	2/15/2008	\$5,133,753	\$5,215,008	0	6,815	0.0%	10%	0.0%	0.00%
Scatter Creek/Maytown Rest Area Improvements	Olympia	Stan Palmer Construction, Inc	2/13/2008	\$5,975,515	\$6,485,117	1,555	8,837	15.0%	10%	84.1%	15.95%
SR 526 40th Ave W to Casino Rd Overlay & Illumination	Everett	Granite Northwest Inc.	5/20/2008	\$7,991,000	\$8,616,801	3,958	23,643	14.3%	10%	41.2%	17.86%
Castle Rock Vicinity - SR 502	Castle Rock	Morse Bros., Inc. DBA Knife River	6/24/2008	\$8,240,279	\$8,173,842	1,667	13,764	10.8%	10%	12.7%	30.17%
Bakerview Rd To Nooksack R Bridge- Pavement	Bellingham	Penhall Company	11/25/2008	\$2,799,874	\$2,566,371	1,935	12,877	13.1%	12%	25.4%	32.51%
SR 28/SR 281, Quincy Area Paving Project	Quincy	Central Washington Asphalt, Inc.	2/4/2009	\$2,574,637	\$2,426,003	1,742	10,632	14.1%	12%	31.5%	39.32%
SR 20 to Skagit River & Freeway Drive to RR Xing	Mt. Vernon	CEMEX Pacific Holdings	2/17/2009	\$2,749,325	\$2,702,869	1,063	10,558	9.1%	12%	0.4%	8.28%
Keechelus Dam to Cabin Cr EB - Pavement Repair	Hyak	Columbia Asphalt & Gravel, Inc.	4/15/2009	\$2,725,921	\$2,486,567	190	1,857	9.3%	12%	0.0%	15.79%
				\$83,255,744	\$85,588,798	43,296	244,587				

Apprentice/Journeymen Participation Summary - Active Projects

Project Name	City	Contractor	Notice to Proceed	Initial Award	Current Cost	Apprentice Total Hours	Journeyman Total Hours	% Apr.	Apr. Goal	% Female Apprentice	% Minority Apprentice
NE 10th St. Bridge Overcrossing	Bellevue	Max J. Kunej Company	12/17/2007	\$13,866,683	\$11,723,566	5,846	22,094	20.9%	10%	23.0%	21.79%
UW Bothell/Cascadia CC Campus South Access	Bothell	Mowat Construction Company	2/8/2008	\$36,647,506	\$35,553,743	17,468	141,491	11.0%	10%	22.0%	25.88%
I-5, Grand Mount to Maytown Stage 1 - Add Lanes	Kelso	Scarsella Bros., Inc.	4/7/2008	\$61,494,606	\$31,083,588	20,304	231,736	8.1%	10%	28.1%	5.56%
SR 539 Tenmile Rd. to SR 546 Widening, Stage 1	Bellingham	Max J. Kunej	3/3/2008	\$53,986,424	\$40,908,577	22,251	104,751	17.5%	10%	17.2%	15.27%
Frenchtown Vic to Walla Walla Add Lanes	Walla Walla	Appollo, Inc.	2/13/2008	\$33,732,740	\$21,534,855	9,106	50,318	15.3%	10%	22.2%	14.36%
176th St SE VIC to Marsh Road I/S	Snohomish	Scarsella Bros., Inc.	3/14/2008	\$18,877,586	\$16,232,443	8,951	59,790	13.0%	10%	32.3%	7.45%
SR 20, Fredonia Stage II	Burlington	IMCO General Construction	3/24/2008	\$28,355,111	\$30,003,978	12,058	103,370	10.4%	10%	20.8%	2.20%
Horton Rd To SR 546 Wetland Mitigation	Bellingham	Matia Contractors, Inc.	3/24/2008	\$3,449,705	\$2,994,095	741	8,244	8.2%	10%	0.0%	0.00%
5th Ave NE to NE 92nd St Noise Wall	Seattle	Wilder Construction Company	4/22/2008	\$3,315,000	\$3,308,611	1,422	5,334	21.0%	10%	0.0%	47.82%
Mill Plain VC to Ne 18 St Stage 1 & 112th Connectors	Vancouver	Selby Bridge Company, Inc.	5/19/2008	\$14,874,970	\$11,711,073	3,192	18,716	14.6%	10%	0.5%	24.12%
SR 20, Quiet Cove Rd Vic. To SR 20 Spur, Stage 2	Anacortes	Scarsella Bros., Inc.	5/26/2008	\$11,125,547	\$10,467,381	5,334	59,102	8.3%	10%	25.2%	20.06%
Cross-Base Highway - Spanaway Loop to SR 7	Spanaway	Ceccanti, Inc.	7/7/2008	\$7,350,281	\$6,765,626	4,263	19,299	18.1%	10%	2.3%	16.91%
SR 16, Burley Olalla Interchange	Port Orchard	Ceccanti, Inc.	7/7/2008	\$16,328,900	\$13,679,979	5,341	38,511	12.2%	10%	17.8%	22.54%
SE 78th Vic to Newport Way Vic & I-90 WB off Ramp Widening	Issaquah	Icon Materials, a division of CPM	7/14/2008	\$19,354,287	\$12,072,384	3,288	37,335	8.1%	10%	17.0%	14.14%
AWV Replacement Mass St to RR Way S Elec Line Relocation	Seattle	Frank Coluccio	7/28/2008	\$17,039,595	\$11,929,959	890	13,871	6.0%	10%	0.0%	0.00%
Purdy Creek Bridge Replacement	Shelton	Guigg Bros., Inc.	7/8/2008	\$7,697,284	\$7,101,039	2,040	15,860	11.4%	10%	26.7%	39.80%
Homer M Hadley Bridge Speciar Repair	Seattle	General Construction Company	7/30/2008	\$5,695,043	\$5,850,100	0	0	0.0%	10%	0.0%	0.00%
So. Fork Chehalis River Bridge	Chehalis	Scarsella Bros., Inc.	8/13/2008	\$7,854,340	\$5,674,066	2,355	11,415	17.1%	10%	11.7%	3.99%
Central King to South Snohomish Bridges - Seismic	Tukwila, Mountlake Terrace, Lynnwood	Granite Northwest	9/22/2008	\$6,734,000	\$4,526,822	3,717	17,314	17.7%	12%	21.3%	51.14%
West Bound Nalley Valley I/C	Tacoma	Guy F. Atkinson Construction	10/21/2008	\$119,924,730	\$35,508,321	6,549	47,320	12.2%	12%	0.0%	6.49%
Steel Electric Class Replacement Vessels	Seattle	Todd Pacific Shipyards	11/13/2008	\$65,487,328	\$22,046,316	0	0	0.0%	12%	0.0%	0.00%
Sr519 I90- Sr99 Intermodal Access I/C Improvements	Seattle	Kiewit Pacific Co.	10/16/2008	\$66,969,343	\$35,068,061	3,755	41,649	8.3%	10%	0.5%	4.66%
NSC - US 2 Lowering	Spokane	Graham Construction	10/21/2008	\$42,849,074	\$16,286,617	4,264	49,438	7.9%	12%	16.7%	1.13%
Eagle Harbor Maintenance Building Remodel	Bremerton	Mowat Construction Company	12/2/2008	\$10,829,674	\$4,394,026	2,814	13,518	17.2%	12%	0.0%	37.46%
Columbia Dr To Sr 240- Rebuild Interchange	Pasco	Klb Construction Inc.	12/12/2008	\$11,519,676	\$6,743,186	484	4,510	9.7%	12%	1.7%	56.61%
Richards Rd To Winery Rd Vic Seismic Retrofit	Issaquah	IMCO General Construction	12/2/2008	\$5,998,535	\$3,497,426	1,455	9,330	13.5%	12%	0.0%	0.00%
Boeing Access Rd Vic To King/ Snohomish Co Line	Seattle	Interstate Improvement, Inc.	12/4/2008	\$9,874,897	\$7,015,837	906	11,696	7.2%	12%	0.0%	7.95%
SR 532 Corridor Improvements, Camano Island To I-5	Stanwood	Parsons/Kunej JV	2/23/2009	\$50,415,851	\$10,669,597	0	0	0.0%	10%	0.0%	0.00%
I-5 To 12th Ave S Seismic Retrofit	Seattle	PCL Construction Services, Inc.	12/29/2008	\$5,703,222	\$2,159,394	0	56	0.0%	12%	0.0%	0.00%
I-5, 172nd St NE (SR 531) Interchange Modification	Marysville	Northwest Construction, Inc.	1/30/2009	\$12,975,832	\$4,365,531	1,236	15,968	7.2%	12%	1.6%	11.81%
SR 520/ I-405 To WLSP I/C Paving	Bellevue	Granite Northwest, Inc.	2/4/2009	\$5,794,000	\$5,800,695	1,569	20,182	7.2%	12%	0.0%	9.05%
I-5, Mountlake Terrace Freeway Station	Mountlake Terrace	Midmountain Contractors, Inc.	4/3/2009	\$17,747,153	\$1,831,160	463	5,627	7.6%	12%	1.7%	26.35%
NCR Seal 2009 & SR 20 Roadside Safety Improvements	Multiple	Central Washington Asphalt, Inc.	2/4/2009	\$5,732,953	\$5,346,220	133	5,440	2.4%	12%	77.4%	22.56%
SR 169, Green River Bridge Embankment Failure	Enumclaw	Scarsella Bros., Inc.	2/11/2009	\$3,208,021	\$2,153,285	385	1,375	21.9%	12%	0.0%	21.82%

Lewis & Clark Bridge Painting Substructure Painter	Longview	Certified Coatings Company	3/16/2009	\$5,148,109	\$1,814,652	0	10,643	0.0%	12%	0.0%	0.00%
52nd Ave W To SR 526 NB Paving NB Paving	Lynnwood	Granite Northwest, Inc. DBA	3/13/2009	\$4,929,000	\$2,265,385	503	5,265	8.7%	12%	0.0%	28.23%
I-5, SR 532 To Hill Ditch Bridge Concrete Pavement	Stanwood	Tri-State Construction, Inc.	4/3/2009	\$4,718,502	\$4,685,881	1,648	15,069	9.9%	12%	0.0%	59.16%
SR 285, George Sellar Bridge Additional EB Lane	Wenatchee	Max J. Kuney, Co.	4/13/2009	\$12,884,988	\$2,211,458	907	4,041	18.3%	12%	0.0%	43.55%
SR 160, SR 16 To Long Lake Road Vic.	Port Orchard	R G/Bowers Construction Joint	3/18/2009	\$3,148,190	\$1,840,629	609	11,897	4.9%	12%	0.0%	0.00%
Vancouver Rail Project W 39th Street Bridge	Vancouver	Cascade Bridge LLC	4/22/2009	\$11,646,361	\$1,398,546	211	2,306	8.4%	12%	0.0%	0.00%
Washington State Ferry Spokane	Bellingham	Puglia Engineering / Fairhaven Ship	3/20/2009	\$3,524,114	\$3,888,240	0	0	0.0%	12%	0.0%	0.00%
Spokane Area Rut Repair & Ramp Paving	Spokane	Inland Asphalt Company	4/8/2009	\$8,091,334	\$8,699,459	2,385	14,199	14.4%	12%	15.8%	23.27%
SR 240, Beloit Rd To Kingsgate Way-Widen Roadway	Richland	IMCO General Construction, Inc.	4/3/2009	\$6,764,418	\$4,822,801	0	0	0.0%	12%	0.0%	0.00%
I-5, Boeing Access Rd To I-90 I/C- Sign Bridges	Seattle	C.A. Carey Corp.	4/3/2009	\$3,851,852	\$1,508,703	12	3,180	0.4%	12%	33.3%	0.00%
I-90, Snoqualmie Pass East - Phase 1A Hyak to Crystal	Hyak, Easton	KLB Construction, Inc.	4/20/2009	\$3,298,002	\$763,826	0	0	0.0%	12%	0.0%	0.00%
2009 Eastern Region Chip Seal	Multiple	Granite Northwest Inc.	5/8/2009	\$6,330,905	\$4,184,273	268	3,008	8.2%	12%	0.0%	21.64%
Makah Reservation to US 101 - Stage 2 - Safety	Neah Bay	Petersen Brothers, Inc.	4/27/2009	\$2,667,541	\$1,418,252	725	1,932	27.3%	12%	0.0%	0.00%
Alaskan Way Viaduct - Replacement S Holgate to King	Seattle	Gary Merlino Construction Co., Inc	5/8/2009	\$8,569,569	\$467,922	0	0	0.0%	12%	0.0%	0.00%
Baker Flats to Orondo - Pave & Passing Lane Paving	Wenatchee	Central Washington Asphalt, Inc.	5/13/2009	\$3,546,628	\$1,243,065	875	4,880	15.2%	12%	0.0%	49.83%
Moses Lake to Ephrata - Paving and Passing Lanes	Moses Lake	Granite Northwest, Inc.	5/14/2009	\$6,235,235	\$2,185,083	687	4,254	13.9%	12%	0.0%	0.00%
NCR Seal 2009 - Stage 2	Multiple	Central Washington Asphalt	5/13/2009	\$2,983,566	\$2,938,230	121	4,287	2.7%	12%	26.4%	25.62%
Tieton River Crossings W and E - Replace Bridges	Tieton	Scarsella Bros., Inc.	6/18/2009	\$6,547,278	\$977,849	92	1,353	6.4%	12%	50.0%	0.00%
Loon Lake to Immel Rd - Paving	Loon Lake	Central Washington Asphalt, Inc.	6/30/2009	\$5,446,776	\$526,205	0	0	0.0%	12%	0.0%	0.00%
Granger to Grandview Concrete Rehabilitation	Sunnyside	Granite Northwest, Inc.	6/10/2009	\$4,690,744	\$3,233,217	86	1,598	5.1%	12%	0.0%	46.51%
I-5 Koontz Road to Harrison Ave - Paving	Chehalis	Lakeside Industries	5/28/2009	\$5,399,568	\$2,781,271	699	6,849	9.3%	12%	21.0%	10.73%
SR 6 to Grays Harbor County Line Paving	Raymond	Granite Northwest, Inc.	6/10/2009	\$2,833,069	\$2,264,714	0	0	0.0%	12%	0.0%	0.00%
Marysville to Stillaguamish River Vic	Marysville	Tri-State Construction, Inc.	7/7/2009	\$13,262,231	\$82,918	0	0	0.0%	12%	0.0%	0.00%
SR 532 Vic to Starbird Road PCCP Rehabilitation	Stanwood	Granite Northwest, Inc.	6/18/2009	\$5,311,989	\$1,553,436	0	1,561	0.0%	12%	0.0%	0.00%
Naches to Mitchell Rd Vicinity - Paving		Granite Northwest, Inc.	6/29/2009	\$3,012,012	\$1,744,550	0	0	0.0%	12%	0.0%	0.00%
Lake Easton Vic to Bullfrog Rd Replace PCCP	Roslyn	Gary Merlino Construction Co., Inc	6/15/2009	\$13,812,439	\$3,654,133	0	0	0.0%	12%	0.0%	0.00%
Snoqualmie Summit to Hyak WB - Dowel Bar Retrofit	Hyak	Vetch Construction Inc.	6/17/2009	\$2,927,575	\$1,402,215	0	0	0.0%	12%	0.0%	0.00%
N Kelso to Castle Rock Pavement Rehab - Concrete	Kelso	Granite Northwest, Inc.	6/2/2009	\$9,889,889	\$3,718,121	172	6,436	2.6%	12%	17.4%	17.44%
Centerville Rd Vic to Bickleton Rd Bridge	Goldendale	Granite Northwest, Inc.	6/16/2009	\$2,948,948	\$1,665,512	0	0	0.0%	12%	0.0%	0.00%
Jct SR 211 to Newport - Paving	Newport	ICON Materials, A Division of C.P.M	6/24/2009	\$5,182,153	\$200,462	0	0	0.0%	12%	0.0%	0.00%
Active Traffic Management System - Design-Build	Seattle	Elcon Corporation	7/13/2009	\$34,450,000	\$0	0	0	0.0%	12%	0.0%	0.00%
Skamokawa to Coal Creek Rd Paving and Guardrail	Cathlamet	Lakeside Industries, Inc.	6/17/2009	\$6,499,399	\$2,300,042	0	0	0.0%	12%	0.0%	0.00%
Lake Washington Congestion Management Sign Bridges	Seattle	Mowat Construction Company	7/17/2009	\$5,841,107	\$0	0	0	0.0%	12%	0.0%	0.00%
Puyallup River Bridge Special Repairs	Tacoma	Granite Construction Company	7/9/2009	\$2,853,000	\$4,102	0	0	0.0%	12%	0.0%	0.00%
NSC US 2 to Wandermere Vicinity	Spokane	Graham Construction & Managemen	8/17/2009	\$37,540,556	\$0	0	0	0.0%	12%	0.0%	0.00%
I-5, Port of Tacoma Road to King County Line - HOV	Tacoma	Tri-State Construction, Inc.	7/23/2009	\$31,015,383	\$0	0	0	0.0%	12%	0.0%	0.00%
I-90, Moses Lake - Paving	Moses Lake	Central Washington Asphalt, Inc.	8/4/2009	\$3,242,563	\$0	66	218	23.20%	12%	0.0%	54.55%
				\$1,103,854,889	\$518,452,706	162,646	1,287,636	11.2%			

Appendix D

Department Contacts

This joint L&I and GA Legislative Report was prepared by L&I staff. For questions or technical assistance with regard to the information contained in this report please contact Jody Robbins, Technical Specialist with the apprenticeship section at L&I. For more information on the Apprenticeship Utilization contracting provisions please contact Roland Orr, Contracts Manager at GA.

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